



COLORADO SPRINGS,
COLORADO



FEBRUARY 1992

INSIDE:

UPDATED MEMBERSHIP ROSTER

PIKES PEAK RADIO AMATEUR ASSOCIATION, INC.
P.O. BOX 16521
COLORADO SPRINGS, COLORADO 80935



FIRST CLASS MAIL



Ø BEAT



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* Denotes first year of a two year term.

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., P.O. Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at the Elk's Lodge, 3400 North Nevada Ave. at 7 p.m.

EDITOR: Ron Deutsch NK0P 4305 Ridgelane Drive, Colorado Springs, Colorado 80918 (719) 593-8352.

Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the editor or to the club mail box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

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PREZ SAYS...

Hey, I'm excited and let me tell you why. I have never seen the level of volunteerism that I see in the club right now. Public service seems to be on the minds of most of our membership and all of you deserve a pat on the back for that. Your willingness to give freely of your time and talents is what keeps this organization, or any organization going strong. At the next meeting, look around you and see the growth that we have experienced this past year. By-the-way, as you look around find someone you don't know and stick out your hand.

Various parts of our community have grown to expect a high quality of service from the local amateurs. And, as we head into the spring and summer months, there is going to be plenty of work for all of us to do with public service events, Sky Warn, ARES, RACES, VE testing, field day, theory and code classes, sponsoring school groups, the novice roundup, and the picnic to name a just a few. Take your pick. there is certainly something for everyone. What do you want to get involved in. If you've hesitated to take that first step to get really active, then listen to the committee reports during the business portion of the meeting and

make a point of meeting one of the committee chairpersons at the break time. For the most part, your only investment will be your time.

If you don't already know, our Amateur Radio/Computer Swap Fest will be on the 16th of May this year and it promises to be the best one yet. We are actively contacting computer user groups to inviting them to participate. We have secured the Mega-Mart for the location and expect to sell about 200 tables. Special events this year will be a field day for the Kenwood Kids (a chance for our sponsored clubs to contact other Kenwood Kids, a first!) VE testing, displays by various vendors, and tables for ARES and RACES so they can get their message out. We will have two grand prizes - a TM-731A Dual Bander for Hams and a lap-top computer for those of us who are into bits, bytes, rams and roms. As we get closer I'll be asking for help from each of you.

Once again, this organization grows in size and service because of all of us. I challenge you to pick an area of interest, let your interest be known and get involved. It feels good when we use our particular skills for our community.

734,
Harv - WB6YXD

QSLing by Rick Brown, KD0SU

Do you, don't you, or more importantly do you do it right! The sending of QSL cards is a long standing tradition in Amateur Radio. From the very earliest days of operation, Hams have sent QSL cards to confirm their radio contacts. The collecting of QSL cards is one of those facets of Ham Radio that can be as absorbing as the hobby itself. Of course one of the reasons most operators collect QSL cards is for operating awards such as Worked All States, DXCC, and VUCC.

While sending QSL cards may seem very straight forward, there are some things that need to be considered. One of the most important things is to fill out the cards correctly. There are a couple of things to consider here. One very important point is to not have any strikeouts on the card. If a QSL card appears to have been altered in any way it may not be acceptable for an award. If you make a mistake, fill out a new card. The receiving operator will greatly appreciate it. Another important point is to make sure all pertinent information is on the card. If the receiving operator wants to use your card for a CW Worked All States, it won't do them any good if the mode of operation isn't included. I recently received a card where the time of the contact was put in the frequency block and the actual frequency was not included. Needless to say, I won't be able to use that card for any award.

Generally, if you are using commercially designed cards and fill in the blanks completely and correctly you should have nothing to worry about. Other items items you may wish to include are your county, and grid location for VHF/UHF operation. While operators may not be particularly interested in those things when they first start, later on it may become important. There are many vendors of QSL cards and many different designs that are available. Many operators claim that the better looking card you have, the better return rate you will have. At the very least, a neat card with all of the required information will serve the purpose very well. I recommend even if you are not a big time operator or collector of QSL cards that you have some on hand for those occasions when someone does want to exchange QSL cards with you. The PPRAA has some generic Colorado QSL cards you can use for those occasional requests.

One of the concerns with QSLing today is the high cost of postage, especially to the DX stations you work. It is one reason many stations don't QSL unless you specifically request it and even then, you may have to help out in some way. For stateside stations, especially those rarer states it is always nice to send them a self-addressed-stamped envelope (SASE) if you really need the card. This not only cuts down on their costs, but usually speeds up getting the return QSL. Postage costs in many overseas countries are much higher than we are used to in the United States, so many DX stations will not QSL direct unless you

include International Reply Coupons, or what is known as a "green stamp". That is a dollar bill folded neatly inside an envelope and sent along with your QSL. While I don't necessarily condone this method, it is sometimes needed for collecting QSLs from rare DX stations. For best results, follow the DX stations instructions in sending your QSL.

Another method of sending and receiving QSL cards from overseas stations is the ARRL QSL Bureau. Many DX stations will tell you to QSL to the "BURO". The ARRL operates both incoming and outgoing QSL bureaus which allow you to send and receive your DX QSL card in bulk. If you are a patient person, this allows you to send and receive cards at a much reduced cost. Details of the operation of the QSL bureaus are printed periodically in QST.

I still enjoy getting QSL cards after many years of operation. I am usually the first to check the mailbox each day and I am always thrilled when there is a QSL card there to add to my collection. It is a part of the hobby I enjoy very much and I hope you do as well.

SWAPFEST

FEBRUARY 16TH JEFFERSON COUNTY
FAIRGROUNDS DENVER, CO.

MAY 16TH PPRAA MEGA-MART
COLORADO, SPRINGS, CO. TABLES CALL
AL, N0CMW 473-1660

JULY 24, 25, 26 WOODLAND PARK, CO.
MOUNTAIN AMATEUR RADIO CLUB.

COMMITTEE CHAIRPERSONS, ETC.

Publicity:	Al Craig N2IWZ	594-9288
Membership:	Les Boral KC0NC	634-3995
Education:	Allen Bailey	597-8514
VE Testing:	Chris Smith NX0E	495-0624
Interference:	Bill Petty N0NJK	591-2116
RACES:	Doug Maloney WB0MHP	(unlisted)
ARES:	John Chapman N0KIC	635-1604
SKYWALKER:	Steve Westby WB7VHR	570-1070
Public Service:	Mike Stansberry K0TER	634-1290
CCARC:	Oak Stockton K0HOL	570-7782
Club Trailer:	Steve Westby WB7VHR	570-1070
Newsletter:	Ron Deutsch N6GP	593-8352
Club Historian:	Al Craig N2IWZ	594-9288

PPRAA VEs MEET TO PLAN

1992 EXAMS

A group of volunteer examiners who form the nucleus of the PPRAA examination team met after the December 14th examination session. The meeting was an opportunity to decide on some policies and dates for the conduct of future examinations. These policies are the result of the liberalization of examination rules by the FCC and ARRL, and the decision of the ARRL VEC to recommend positions but to back the decisions of the local VE teams.

The following policies were arrived at after spirited discussion by the VEs and reflect those issues on which a consensus was reached. 1) For code test credit, code copying must consist of "head copy" or written letter copy, with no significant portion of the copy consisting of written dots and dashes. If more than an insignificant portion of the written copy is dots and dashes, then answers to questions derived from that copy will not be accepted. For the purpose of finding one minute of correct copy, a dot and dash transcription will be considered a missed character. 2) To ensure the timely completion of all examinations, the time to answer questions on an exam element will be limited. Code elements will be limited to a 30 minute maximum time, written elements will be limited to one hour each, except that elements 4A and 4B will be limited to two hours maximum each. 3) Because of limited facilities, it may be necessary to limit the number of examinees at any exam session. If necessary, places for the session will be provided based first on the order of preregistrations, and then walk-in registrations. Of course, we will try to accommodate all examinees to the extent feasible. 4) The VE team will try to acquire special equipment to assist in the examination of handicapped applicants. Methods of financing the VE team expenses will be brought up with the board. 5) The schedule of examinations for 1992 is planned to be tests on the second Saturday of March, June, September and December, plus one during the Swapfest. Additional exams to support the amateur radio classes will be scheduled as needed.

Information on the classes may be obtained from the education committee chairman. 1991 was quite a year for the VE examination effort. The codeless technician license has really spurred a boom in amateur radio, and it's shown in the numbers of examinations given this year.

We appreciate the cooperation of the applicants at our sessions, who have shown remarkable patience while swamped examiners attempt to keep up with the work load. No doubt 1992 will be an even busier year for the VE team, and the importance of preregistering well in advance for exams will grow. The continued efforts of all the local VEs will be sorely needed, as will the cooperation of all applicants.

73 de Chris NX0E

DITS AND BITS

FOR SALE:

30L1 10-80 Meter Amp (like new) \$525.00
Jerry Haberer, WA0WSY, 597-2120

FOR SALE:

Icom IC-701 HF transceiver w/ IC-702 supply.
IC-RM2 remote control, Cushcraft AP-8 vertical 8-band antenna w/ radial kit. Icom desk mic. Code practice oscillator, coax cable, antenna roof mount, surge protector, code tapes. \$550.00 Contact Bill Puxty 633-2362.

WANTED:

Surplus Radio Junque, suitable for parts used to construct home-brew equipment.
Darren, N0OPQ, 635-0866

HAM RADIO DEMONSTRATION

There will be an Amateur Radio demonstration at the Rustic Hills Mall, 3989 Palmer Park Blvd. from 1 to 3 PM on Tuesday, March 10th. This is for a senior citizen group and anyone else wishing to attend.

We will be explaining Amateur Radio, displaying some of the many facets of Ham radio, and sending some radiograms. KB0FNM, Russ and WA0MNL, Rosie have committed to do this and would appreciate some volunteers and invite others to attend.

To sign up to help call Russ and Rosie at 471-9965. How about a get together for lunch (Dutch Treat) at Furr's Cafeteria at about 11? on March the 10th.

HAM RADIO CLASSES (GENERAL CLASS)

March 16th and each Monday and Thursday evening from 6:30 to 9:00 PM...about 7 weeks. Use the West entrance to the Mall. The classroom will be designated by a yellow poster. The snack bar will be open and some people will be meeting for dinner at Furr's Cafeteria before class.

To sign-up call:

AD0Z, Allen, 597-8514

KQ0S, Joe, 597-0825

KB0FNM, Russ, 471-9965

WA0MNL, Rosie, 471-9965

There is no fee for the class and everyone is welcome.

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633-4666

1992 MEMBERSHIP

CALL	Last Name	First Name	Address	City	State	Zip	Phone
AD00	WEATHERLEY	TOM	14450 PINE CREST DR.	COLOR. SPGS.	CO	80908	495-2877
AD02	BAILEY	ALLEN	2715 ALTEZA LANE	COLOR. SPGS.	CO	80917	597-8514
K0CJ	SCHAARSCHMIDT	STEVE	6155 TUCKERMAN LANE	COLOR. SPGS.	CO	80918	598-3554
K0CST	HANSZ	JERALD	7015 KIPLING ST.	COLOR. SPGS.	CO	80911	398-4186
K0GH	CRAWFORD	JOHN	555 HIDDEN MARSH RD.	MONUMENT	CO	80132	481-3568
K0KRG	LAPORA	ROGER	3343 W. BJDOW	COLOR. SPGS.	CO	80904	473-6823
K0RDL	STOCKTON	OAK	5182 GALLEY RD. #429AW	COLOR. SPGS.	CO	80915	
K0TER	STANSBERRY	MIKE	2638 E. UINTAH	COLOR. SPGS.	CO	80909	636-1298
K0UNS	ZIMMERMAN	JIM	4411 EDWINSTONE	COLOR. SPGS.	CO	80907	599-3119
K0WVB	WOODRUFF	CARL	2405 PASEO RD.	COLOR. SPGS.	CO	80907	634-8372
K2MAH	GEORGE	ARTHUR	1849 KEITH DR.	COLOR. SPGS.	CO	80916	591-2781
K4YCD	STANFILL	BILL	185 SADDLE MOUNTAIN RD.	COLOR. SPGS.	CO	80919	531-7738
KA0NTX	STREAMER	RALPH	1384 N. FOOTE AVE.	COLOR. SPGS.	CO	80909	634-1881
KA00YZ	HICKEY	ARLENE	12895 TIA LANE	COLOR. SPGS.	CO	80908	495-8471
KA0PXE	STREAMER	CONNIE	1384 N. FOOTE AVE.	COLOR. SPGS.	CO	80909	634-1881
KA0RBC	HAUSAUER	GEMELL	5252 CRACKER BARREL CR.	COLOR. SPGS.	CO	80917	597-4895
KA0RNN	BIRINYI	RENEE	3767 ADIRONDACK DR.	COLOR. SPGS.	CO	80918	268-6747
KA0RDY	BOYES	RENAY	1126 WOOTEN	COLOR. SPGS.	CO	80915	591-6438
KA0RDZ	BORST	JODY	2542 E. BJDOW	COLOR. SPGS.	CO	80909	634-3995
KA0TAD	UCHS	LARRY	80X 8	SYRACUSE	KS	67878	384-7478
KA0TSA	JANES	DALEAN	518 E. WASHINGTON	COLOR. SPGS.	CO	80907	638-1542
KA0VKM	LANE	THOMAS C.	P.O. BOX 24524	DENVER	CO	80224	
KA0VUU	PFEIFFER	RICHARD	2649 M. CHELTON RD.	COLOR. SPGS.	CO	80889	473-5975
KA0WIE	SONTAG	ALFRED	2168 SHAWNEE CT.	COLOR. SPGS.	CO	80915	591-8298
KA0YTK	TANNER	MINT	3388 CORBETT LN.	COLOR. SPGS.	CO	80907	634-7583
KA2CAE	WILLOUGHBY	BOB	5188 FARMINGDALE	COLOR. SPGS.	CO	80917	578-9787
KA5BYD	LOPEZ	RODNEY	5885 ARTISTIC CIRCLE	COLOR. SPGS.	CO	80917	596-3728
KA6IOD	CASELLA SR.	MICHAEL	5827 WADDELL AVE.	COLOR. SPGS.	CO	80915	574-8294
KA7NNX	SMITH	SUSAN	12455 DONGYAN LN.	COLOR. SPGS.	CO	80908	495-8624
KB0BZK	O'CONNELL	W.T.	18968 HUNGATE RD.	COLOR. SPGS.	CO	80908	495-4844
KB0DUQ	HAWLEY	DERRAL E.	3418 N. EL PASO ST.	COLOR. SPGS.	CO	80907	471-4338
KB0DX	SHANNON	GENE	2214 PRINCETON WAY	COLOR. SPGS.	CO	80909	633-8688
KB0EPN	DODD	F.A.	1923 WOODBURN ST.	COLOR. SPGS.	CO	80906	471-1883
KB0EXK	FARINA	GEORGE	419 W. VAN BUREN ST.	COLOR. SPGS.	CO	80907	471-2572
KB0EXL	COX	LAURIE	4241 MARLOW CIR.	COLOR. SPGS.	CO	80916	597-9768
KB0EZG	COX	STEPHANIE	4241 MARLOW CIR.	COLOR. SPGS.	CO	80916	597-9768
KB0EZH	COX	JENNIFER	4241 MARLOW CIR.	COLOR. SPGS.	CO	80916	597-9768
KB0FEL	LEPLEY	BRUCE A.	3875 VALKYRIE WAY	COLOR. SPGS.	CO	80907	593-8784
KB0FNM	CALAWAY	RUSS	616 W. 31st ST.	COLOR. SPGS.	CO	80904	471-9965
KB0FUT	FIELDS JR.	ROBERT A.	18535 KNOLLWOOD BLVD.	MONUMENT	CO	80132	488-2237
KB0GHJ	GALBRAITH	JOHN	675 ROCK CREEK MESA RD.	COLOR. SPGS.	CO	80926	576-1343
KB0GMA	MORGAN	MICKEY	P.O. BOX 9887	DIVIDE	CO	80814	687-1888
KB0IRW	DONALDSON	JOANNE	5838 S. RAINDROP CIR.	COLOR. SPGS.	CO	80917	596-2713
KB0JNM	WONDERS	DeAnna	8THS. 6658 A	USAF ACADEMY	CO	80848	472-1438
KB0JQD	FERNANDEZ	BENJAMIN	3786 SHEFFIELD LANE	COLOR. SPGS.	CO	80907	592-8438
KB0JGR	BRANTLEY	DOLores	18868 RED ROCKS DR.	MONUMENT	CO	80132	481-2148
KB0JQS	FREEZE	CHAD	5182 GALLEY DR. SP. 313-B	COLOR. SPGS.	CO	80915	597-7891
KB0JOT	HARRIS	GARY	6736 BISHOP DR.	COLOR. SPGS.	CO	80918	593-8363
KB0JQW	CUNNINGHAM	JOHN	914 E. CIMARRON	COLOR. SPGS.	CO	80903	473-5787
KB0JDI	MENALLY	TODD	3713 DIXON WAY	COLOR. SPGS.	CO	80909	596-8733
KB0NN	HAWLEY	DR. DON	3819 N. CIRCLE DRIVE	COLOR. SPGS.	CO	80909	635-9367

1992 MEMBERSHIP

CALL	Last Name	First Name	Address	City	State	Zip	Phone
K0001	HARREN	FAYE	3819 W. KIOWA	COLO. SPGS.	CO	80904	632-4574
K00RD	TILLOTSON JR.	BASCOM	1809 PEJN AVE.	COLO. SPGS.	CO	80904	473-0952
K00WX	STIENMEIER	RICHARD	2750 PURGATORY DR.	COLO. SPGS.	CO	80918	593-1935
K02BAJ	BELLAMY	ELEANOR	2413 WARRICK LANE	COLO. SPGS.	CO	80909	591-2378
K00NC	BORST	LES	2542 E. BIJOU	COLO. SPGS.	CO	80909	634-3995
K00TB	HANSEN	HARLEY	9011 MINNESOTA	SUN LAKES	AZ	85248	(602) 895-8221
K04KGS	WARNOCK	MATT	5175 PINON VALLEY RD.	COLO. SPGS.	CO	80919	531-6609
K00EL	STAFFORD	MAX	P.O. BOX 35	PALMER LAKE	CO	80133	488-9289
K00NB	LUND	EDWARD	6965 WILDBRIDGE RD.	COLO. SPGS.	CO	80908	594-9976
K00BE	CHILDRESS	HERB	99 RAVEN HILLS COURT	COLO. SPGS.	CO	80919	598-2346
K00SU	BROWN	RICK	3249 SQUAW VALLEY DR.	COLO. SPGS.	CO	80910	531-9423
K00CO	FUHS	DONALD	2 N. ELY ST.	COLO. SPGS.	CO	80911	392-0718
K00GJ	HOHISEL	DON	1207 WHITEHOUSE DR.	COLO. SPGS.	CO	80904	520-9955
K00HOC	LOFTIN	DRAM	1590 DUBLIN BLVD. #223	COLO. SPGS.	CO	80918	531-5429
K00DM	VAN HOUTAN	ROXY	1618 KODIAK DR.	COLO. SPGS.	CO	80910	635-4009
K00WC	CHATELAIN	DON	1470 LOFLIN RD.	COLO. SPGS.	CO	80938	603-2883
K00S	BENTON	MALCOLM	15365 DEBY DR.	COLO. SPGS.	CO	80921	480-2071
K00RW	STEELE	DAVID	5456 MOSQUITO PASS DR.	COLO. SPGS.	CO	80917	596-0007
K00VG	BEATON	ARTHUR	150 DOLMITE DR.	COLO. SPGS.	CO	80919	593-1719
K07IBA	VAN ZANT	FRANK	2424 VIRGO DR.	COLO. SPGS.	CO	80906	633-8484
K00S	MARCIANO	JOSEPH	1214 AUBURN DR.	COLO. SPGS.	CO	80909	597-0825
K04E	DAVIS	CHARLIE	1275 WINDMILL AVE.	COLO. SPGS.	CO	80907	260-6305
N0AMP	KRAL	LARRY	14594 WESTCHESTER DR.	COLO. SPGS.	CO	80921	488-2589
N0CAM	CHAMBER	CHARLES	2823 W. WINTAN	COLO. SPGS.	CO	80904	632-0413
N0CCZ	FREEBORN	ANDY	5222 BORRERO DR.	COLO. SPGS.	CO	80918	598-8323
N0CGP	LESLIE	NORMAN	P.O. BOX 484	WOODLAND PARK	CO	80866	687-3539
N0CMW	WROOMAN	ALLEN	1341 DIANA LN.	COLO. SPGS.	CO	80909	473-1660
N0CTV	HAGGART	BOB	158 WIDEFIELD BLVD.	COLO. SPGS.	CO	80911	390-8911
N0CYR	JACOBS	JAKE	104 OLD BROADMOOR RD.	COLO. SPGS.	CO	80906	
N0CYS	MCCARTY	JACK	2610 E. BIJOU ST.	COLO. SPGS.	CO	80909	633-3479
N00DF	LIRENGOOD	BUD	99 OLD BROADMOOR RD.	COLO. SPGS.	CO	80906	475-0537
N0ENM	QUINTANA	JOSEPH	1916 E. WINTAN ST.	COLO. SPGS.	CO	80909	635-2251
N0EPF	RICHARDSON	MARK	3803 DIXON WAY	COLO. SPGS.	CO	80909	596-6916
N0FRQ	GRAY	KENNETH	2810 DRO BLANCO DR.	COLO. SPGS.	CO	80917	574-7318
N0GEC	METCALF	H.B.	1058 FONTMORE RD.	COLO. SPGS.	CO	80904	471-0871
N0HJT	BROWER	DOUG	19770 TOP O'THE MOOR DR.	MONUMENT	CO	80132	488-0559
N0HRD	ZIMMERMAN	WILL	3106 HUDSON ST.	COLO. SPGS.	CO	80910	471-8527
N0IEM	KALTENSTEIN	FRANK	5102 GALLEY RD. #304B	COLO. SPGS.	CO	80915	596-7900
N0IKF	JEFFERIS	MALLORY	854 CHAPMAN DR. #9	COLO. SPGS.	CO	80916	591-0049
N0IQN	BANKS	DAVID	702 GREY EAGLE CIRCLE SO.	COLO. SPGS.	CO	80919	260-1310
N0ISU	FRENCH	BOB	3224 W. FONTANERO	COLO. SPGS.	CO	80904	630-1127
N0ISV	STEPHENS	WAYNE	1110 HOLMES DR.	COLO. SPGS.	CO	80909	550-0938
N0IUT	WROOMAN	FRANCES	1341 DIANA LN.	COLO. SPGS.	CO	80909	473-1660
N0IZM	ROLLER	RICHARD	5650 SADDLE ROCK RD.	COLO. SPGS.	CO	80918	598-2802
N0JLH	BOYES	JEFF	1126 WOOTEN	COLO. SPGS.	CO	80915	591-6438
N0JMP	TOMS	CHESTER	P.O. BOX 101	LAKE GEORGE	CO	80827	748-3321
N0KAN	JOHNSON	HERMAN	4470 LINCOLN PLAZA DR.	COLO. SPGS.	CO	80911	392-0131
N0KIC	CHAPMAN	JOHN	604 E. FONTANERO ST.	COLO. SPGS.	CO	80907	635-1604
N0KUD	JAMES	LONNY	510 E. WASHINGTON	COLO. SPGS.	CO	80907	630-1542
N0KWK	COMPTON	ANTHONY JOE	P.O. BOX 1486	LANAR	CO	81052	
N0LA	LaFOSSE	PETER	5750 N. MERIDIAN RD.	PEYTON	CO	80831	495-4829

1992 MEMBERSHIP

CALL	Last Name	First Name	Address	City	State	Zip	Phone
N0LLG	KEITH	GREGORY	3370 BRIDGEWATER DR.	COLOR. SPGS.	CO	80916	
N0MHP	BATES	CHRIS	6565 ZERMATT DR.	COLOR. SPGS.	CO	80915	637-0884
N0MHQ	BATES	STEVE	6565 ZERMATT DR.	COLOR. SPGS.	CO	80915	637-0884
N0MIX	HICKMAN	IVAN	1720 PETERSON RD.	COLOR. SPGS.	CO	80915	550-0161
N0MOJ	MORGAN	RON	P.O. BOX 9007	DIVIDE	CO	80814	687-1800
N0MHF	BIRINYI	STEVE	3767 ADIRONDACK DR.	COLOR. SPGS.	CO	80918	260-6747
N0N0M	ATKINSON	PHILIP	5255 FARM RIDGE PL.	COLOR. SPGS.	CO	80917	597-1561
N0N0X	PETTY	WILLIAM K.	2765 SIERRA DR.	COLOR. SPGS.	CO	80917	591-2116
N0N0Y	DONALDSON	RICK	5030 S. RAINDROP CR.	COLOR. SPGS.	CO	80917	596-2713
N0N0Z	VEIRS	VAL	1823 WOOD CT.	COLOR. SPGS.	CO	80907	475-2471
N0NKA	HATCHER	MARK	2110 E. LaSALLE #123	COLOR. SPGS.	CO	80909	473-1271
N0NKF	RISHAVY	KEVIN	5033 BROADMOOR BLUFFS DR.	COLOR. SPGS.	CO	80906	540-5677
N0NKG	ALLISON	FED	1323 OSWEGO	COLOR. SPGS.	CO	80904	633-1517
N0NKN	TRACEY	DENNIS	3785 WINDMILL COURT	COLOR. SPGS.	CO	80907	548-9287
N0NKP	PHILLIPS	KENNETH	4850 SANTIAGO WAY	COLOR. SPGS.	CO	80917	574-6358
N0NKR	OTIS	STEVE	4540 PURCELL DR.	COLOR. SPGS.	CO	80922	596-8004
N0NLE	KEITH	TAMI	3370 BRIDGEWATER DR.	COLOR. SPGS.	CO	80916	
N0NRA	WARNOCK	SHARON	5175 PINON VALLEY RD.	COLOR. SPGS.	CO	80919	531-6609
N0NTX	McDANIEL	THOMAS	4255 SHINING WAY	COLOR. SPGS.	CO	80916	570-1465
N0OCY	ROTRAMEL	TROY "JR"	2015 NIELSEN	COLOR. SPGS.	CO	80906	579-6749
N0OCZ	MARTIN	MICHAEL R.	3140 MAVERICK DR.	COLOR. SPGS.	CO	80918	594-9339
N0ODB	MURRAY	MARK J.	1610 LAURETTE DR.	COLOR. SPGS.	CO	80907	574-4021
N0OPB	DAVIS	KATH	1275 WINDMILL AVE.	COLOR. SPGS.	CO	80907	260-6305
N0OPL	RIKMAN	DWIGHT	5366 PINON VALLEY RD	COLOR. SPGS.	CO	80919	599-7650
N0OPM	SIGNORELLI	SHARON	P.O. BOX 6069	COLOR. SPGS.	CO	80934	632-2829
N0OPN	WRIGHT	HAROLD	1015 TIMBER VALLEY RD.	COLOR. SPGS.	CO	80919	593-2042
N0OPD	LANDRUM	DARREN	2553 CARAMILLO	COLOR. SPGS.	CO	80909	475-9159
N0OPR	BAITER	EMILY	5927 SPURWOOD DR.	COLOR. SPGS.	CO	80918	598-3786
N0OPS	BAXTER	WILLIAM	5927 SPURWOOD DR.	COLOR. SPGS.	CO	80918	598-3786
N0DTZ	JEAKLE	MARK	2025 WESTMORE LANE DR.	COLOR. SPGS.	CO	80907	520-6503
N0ODD	STANSBERRY	LUCI	2630 E. UINTAH	COLOR. SPGS.	CO	80909	636-1290
N0PRS	PEWITT	GENE	901 SKYWAY BLVD. APT. #105	COLOR. SPGS.	CO	80906	473-8907
N0PRW	GRIESINGER	WILLIAM	5525 ERINDALE DR. #202	COLOR. SPGS.	CO	80918	593-5800
N0PRZ	STEWART	CHARLES	3433 OAK CREEK DR. WEST	COLOR. SPGS.	CO	80906	
N0PSA	STEWART	ROBIN	3433 OAK CREEK DR. WEST	COLOR. SPGS.	CO	80909	550-0938
N0PSB	GREEN III	WALTER	3624 CITADEL DR. NORTH SUITE 309	COLOR. SPGS. DR.	CO	80909	596-1178
N0PZU	PRISK	JERRY	2230 GLENWOOD CIR.	COLOR. SPGS.	CO	80909	574-3745
N0PIN	McMALLY	FRANK	3713 DIXON WAY	COLOR. SPGS.	CO	80909	596-8733
N00AL	KOVAR	JOHN	2633 N. BENNETT AVE.	COLOR. SPGS.	CO	80909	632-7066
N00HH	HOLLM	RICK	3665 TAPESTRY TER.	COLOR. SPGS.	CO	80918	260-8964
N00JS	ROTH Jr.	JOHN	4117 BENT DR.	COLOR. SPGS.	CO	80909	596-6285
N00JW	BRANTLEY	BRADY	18060 RED ROCKS DR.	MONUMENT	CO	80132	481-2140
N00JX	ROSE	ORA MARIE	5214 COLTER LANE	COLOR. SPGS.	CO	80915	591-5756
N00KN	MILLS	DALE	303 REDWOOD DR.	COLOR. SPGS.	CO	80907	260-1009
N1FED	GARDEE	KAREN	4390 DARR CIRCLE	BLACK FOREST	CO	80908	495-0091
N2HWF	HORIOM	KURT	2230 ANGELBLUFF CT.	COLOR. SPGS.	CO	80919	590-1394
N2IMZ	CRAIG	AL	5562 DUNBAR COURT	COLOR. SPGS.	CO	80918	594-9288
N3EUA	GARDEE	BOALE	4390 DARR CIRCLE	BLACK FOREST	CO	80908	495-0091
N4TGD	PARIS	DOUG	16645 HIGH TREE DR.	ELBERT	CO	80106	495-4908
N5XLP	STOKES JR.	WILLIAM	3751 ADIRONDACK DR.	COLOR. SPGS.	CO	80918	522-0739
N6PMJ	SANCHEZ	D.J.	7015 HAZELWOOD LN.	COLOR. SPGS.	CO	80918	260-1386

The remainder of the membership roster will appear in the March issue of Zero-Beat.

Battling Totalitarianism Through Amateur Radio

All Amateur Radio operators (and most people who are just passingly familiar with Amateur Radio), are aware of Amateur Radio's role in providing important and perhaps life-saving communications during disasters. The Soviet coup attempt in August, 1991 showed how Amateur Radio can play a significant role in major world events. The following account of the role of Amateur Radio during the Soviet coup attempt is taken from an article in the December 2nd issue of the New Yorker Magazine; part of an article written by David Owen.

A young man by the name of Andy Fyodorov spent the Soviet coup attempt inside the Russian Parliament Building with Boris Yeltsin and his supporters. It was feared that phone lines would be cut off, leaving them isolated. Mr. Fyodorov's job was to "maintain communication between Boris Yeltsin and the outside world." Mr. Fyodorov did the most logical thing (in the mind of an Amateur, that is). He set up an Amateur Radio network. Amateurs all over the country were able to communicate vital information such as news and troop movements in their areas. Yeltsin was able to communicate effectively with the outside.

The coup attempt failed and the telephone lines to the Parliament were never actually cut. Amateur Radio still played an important role. Without the Amateur Radio network, much vital information would never have been passed to and from the Russian Parliament. Telephones would have been ineffective or inefficient in passing some of this information.

One of the many reasons for the failure of the attempted coup was that the coup plotters failed to control communications media. Complete control over communications is one key to the success of a totalitarian government. In the "information age", this type of control is becoming more difficult. Amateur Radio operators with their high-tech skills and their ingenuity play a big role in helping to keep communications open during major political upheavals. An American friend and business partner of Mr. Fyodorov said it best when speaking of his friend: "Battling totalitarianism with Ham Radio is exactly his idea of a good time".

submitted by Liz Deutsch, XYL, NK0P

• COLORADO COUNCIL OF AMATEUR RADIO CLUBS

The CCARC spring meeting will be held on Saturday, March 28th, starting at 1:00 PM in the Chapel Hills Mall in Colorado Springs, as previously scheduled. However, the management of the Mall has afforded us a meeting room that is different than announced ("The Meeting Place"). Signs will be posted on the door of the "Meeting Place" directing you to the alternative room. Please feel welcome and follow the instructions in the November 1991 newsletter. All council clubs are urged to send a voting delegate for this important meeting. Dutch lunch at Furr's Cafeteria (next door) from 11:30 to 1:00 PM...please join us. *Oak, K0ROL*

• RAMPART HAMVISION NETWORK

This update is intended to spark some interest in current RHVN activities in the Colorado Springs area. The "input" receiver is crystal controlled on 911.25 Mhz, and it can be accessed with slightly-modified "home" TV equipment available for under \$50.00 at discount stores. This includes a transmitter and a receiver plus the little wall-transformers! Most sets have "baseband" inputs & outputs plus the usual "channel 3" RF connections. This 900 Mhz stuff is state-of-the-art, using SMT components! The transmitter boasts about 10-milliwatts output, but several sources can supply "brick" amplifiers for the band. If the sets you select use a voltage-controlled-oscillator (VCO), you only need to readjust the frequency pot. A new "nano-wheel" array was obtained from W6OAL's Olde Antenna Lab in Denver. This is a 4-wheel, horizontally-polarized antenna with 6 DbD gain at 911.25 Mhz. It is supported by a framework of PVC plumbing pipe.

Out put frequency for the RHVN repeater will be vertically-polarized on 421.25 Mhz, which exactly coincides with Cable Channel 57 on any cable-ready VCR or television receiver. Signals have been "squirted" over much of the city with both color video and on-carrier audio, which brings me to a new subject: Audio on a video (fast-scan) ham signal shouldn't be "music" (whatever that means). FCC Part 97.113(d) disallows music on the amateur radio frequencies. Yet, it is OK to transmit DTMF tones for control purposes. Also, "dual tone" multifrequency can be construed to be a "duette" by some musicians! Is this music? Is MCW a type of music? Samuel F. B. Morse may have thought so. To comply with Part 97.113(d), I intend to restrict the audio channel on the RHVN repeater to sound effects and voice only. (please don't sing!) There are large collections of sound-effects available, synthesized by computer technology. For example, my Macintosh produces stuff like "giggledy gulp, choo-choo, alien gun, and many others. If you see/hear the repeater on the air it will have strictly non-musical audio content. Tune in, you might like it! *Oak, K0ROL*

PPRAA BOARD MEETING

JANUARY 14, 1992

The meeting was at QTH of RON NK0P.
Meeting was called to order by President HARV WB6YXD at 1900.

Present were:

RON NK0P,
STEVE WB7VHR,
RUSS KB0FNM,
MATT KC4KGS,
JEFF N0JLH,
ROSIE WA0MNL,
AL N0CMW,
LUCI N0OUD,
HARV WB6YXD,
RENAY KA0ROY,
AL N2FWZ.

ARES asked the board for support on some equipment needed. It was decided by board to support them, but they will have to wait till after Swapfest with profit from raffle sales, in meantime they may use any club equipment.

Jeff N0JLH is heading up field day on June 27,28 1992 at Air Force Academy in conjunction with Academy Radio Club.

Annual picnic will be Aug 16 at same place.

Our program for February is ARRL ROCKY MT. DIVISION DIRECTOR AG0X MARSHAL QUIAT.

Board discussed several ideas for upcoming programs.

The board decided to create the position of Club Historian, AL CRAIG accepted the position.

The board had a letter from the VE EXAMINERS. HARV is going to talk over the proposals that they presented with them and come up with a mutual agreement on how to fund the place for VE EXAMS. Exams are now scheduled for 2nd Saturday in MARCH, JUNE, SEPTEMBER, DECEMBER, at Swapfest and end of classes.

The club has worked out an agreement with the ELK'S CLUB to move our meeting to the larger room on the 2nd floor, so the February meeting will be top side.

Rosie announced the upgrade classes would start March 16th place to be announced.

Our swapfest co-chairman have been looking at a place to hold the swapfest, they were given the approval to rent MEG A MART on north union it has plenty of parking and very easy to get to from Pueblo and Denver and east and west.

The next board meeting will be at the QTH of LUCI, N0OUD on February 18, 1992.

Rosie has had no word back on a tri-city breakfast or lunch on March 24th the day of CCARC meeting here in Springs so Oak, K0ROL is authorized to do what ever he decides to do. CCARC needs us to show them a nice welcome to Colorado Springs.

submitted by Al, N0CMW Secretary, PPRAA

OPERATING EVENTS

February, 1992

8 - 9 QCWA CW QSO Party.

8 - 9 YLRL YL/OM SSB QSO Party.

9 North American SSB Sprint, Sponsored by National Contest Journal. Details in January 1992, QST.

10 - 14 1992 School Club Roundup. Designed to foster contact with and among school radio clubs. Details in January 1992, QST. Special certificates to those contacting ten or more school clubs.

15 - 16 ARRL DX CW Contest, Details in December 1991, QST.

21 - 23 CQ WW 160 Meter SSB Contest. Details in November 1991, CQ.

March, 1992

7 - 8 ARRL DX SSB Contest. Details in December 1991, QST.

7 - 8 QCWA SSB QSO Party

NOVICE ROUNDUP - A reminder for those who participated in the Novice Roundup. Contest logs must be in to the ARRL by March 4. Those wishing to enter the PPRAA club competition should send entries to me by March 2.

Rick Brown KD0SU
3249 Squaw Valley Drive
Colorado Springs, CO 80918

FEBRUARY PPRAA MEETING

The February PPRAA meeting will be held on Wednesday February 12th. Our guest will be AG0X, Marshal Quiat, Rocky Mountain ARRL Division Director.

Note: The meeting will be in a bigger room, upstairs at the Elk's Lodge 3400 North Nevada Ave. at 7:00 PM.

GENERAL MEETING PPRAA JAN. 08, 1992

Meeting called to order by President, Harv WB6YXD. Each member and guest introduced themselves. We had 93 present.

Minutes were approved as printed in O-BEAT. Treasurers report was as follows:

Balance forward \$1259.38,
Income \$1015.00,
Bills \$1310.65,
Balance: \$963.73

COMMITTEE REPORTS:

PUBLICITY: AL N2IWZ requested some tapes from ARRL. Got publicity to Gazette. A meeting Friday is planned to explore club history.

EDUCATION: AL AD0Z is proud of the number of new calls and there will be a General class on March 16, place to be announced.

VE TESTING: CHRIS NX0E next test 2nd Saturday in March, place to be announced and need more VE's.

ARES: JOHN N0KIC All ARES members requested to make portable antennas he has plans. STEVE WB7VHR there will be an exercise 25 Jan for all ARES members, need volunteers to be victims. Mike, K0TER will be moving ARES meeting around after check ins. Woodland Park repeater worked out real good on 82/22.

RACES: WB0MHP civil defense has moved out of police station and is now called Office Of Emergency Management, net is on Tuesday on 3905 at 1830 local and on 37/97 at 1930.

CCARC: OAK K0ROL We will be the host for the quarterly meeting March 24th. Contact him for further information. He also had a few handouts on APSTV. Local frequency of 911.25 or ch 57 cable ready TV.

O-BEAT: RON NK0P Searching for history of club. He can be reached on phone modem by appointment or leave article on packet via N0CMW-1 which is on 24 hours except from about 1945 to 2115 every night.

OLD BUSINESS

We are supporting, with the help of Kenwood, two schools in Amateur Radio. Rodney KA5DVO, and Larry N0AMP are contact points.

Harv recognized Emily Baxter for her handling of emergency traffic on 2mtrs.

Renay, KA0ROY was recognized for her work on Christmas party.

Al, AD0Z and his staff were recognized for an outstanding job done on education.

NEW BUSINESS

Rick, KD0SU explained NOVICE ROUNDUP. Malcom KE9S, Boy Scouts going to have communications from Jack's Valley Jan 25th. He is helping them.

Next board meeting will be at the QTH of Ron, NK0P on January 14th.

BREAK 15 minutes Luci, N0OUD held the monthly raffle,

Garry Harris intercom,
Rosie, WA0MNI, Hints and Kinks,
N0NJW portable antenna,
Rick, KD0SU tie wraps,
Al, AD0Z strippers(wire)
McI, W3TMR lob book,
Wil, N0HRD grab bag,
Mat, KC4GCS disk box,
Mike, K0TER Nut and Volt magazine.

The Christmas raffle was held. The Radio Shack HT was won by John, N0QAL.

HOME BREW NITE FOLLOWED:

The candidates were:

N0NJX, DOPPLER D.F. UNIT,
N0CMW, SMALL 440 MHZ ANT,
WB0MHP, PACKET CONTROLLER, FAN
CONTROLLER POWER DISTRIBUTION
BLOCK.

W9KYO, ANTENNA TUNER,
N0JLH & KC0NC, PORTABLE ANTENNS
MAST SETUP AND EQUIP,
N0MIX, PORTABLE QRP RIG,
NK0P, TESLA COIL,
WB3ANM, TVI FILTER AND ANTEENA
BRIDGE,

KD0SU, 2MTR/440MHZ J-POLE.

1st prize went to N0NJX, DOPPLER DF UNIT,
2nd prize, WB3ANM, TVI FILTER AND
ANTENNA BRIDGE,

3RD PRIZE, tied so we awarded both.
WB0MHP, PACKET CONTROLLER, FAN CON-
TROLLER, POWER DISTRIBUTOR, AND
W9YYO, ANTENNA TUNER.

Our program for February 12, 1992 will be
ROCKY MOUNTAIN ARRL DIVISION DIREC-
TOR, AG0X, MARSHAL QUIAT.

Submitted by AL N0CMW, SEC PPRAA.

**Steve Watkins
Silversmith**

593-2047

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